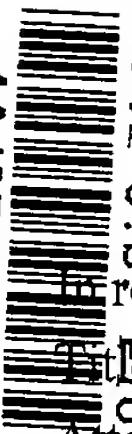


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12-11-61

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of: David A. Schwartz et al.

Title: VARIANT TLR4 NUCLEIC ACID AND USES THEREOF

Attorney Docket No.: 875.010US2

10/010066 PTO
12/07/01

PATENT APPLICATION TRANSMITTAL**BOX PATENT APPLICATION**

Commissioner for Patents
Washington, D.C. 20231

We are transmitting herewith the following attached items and information (as indicated with an "X"):

- Return postcard.
- Utility Patent Application under 37 CFR § 1.53(b) comprising:
 - Specification (48 pgs, including claims numbered 1 through 35 and a 1 page Abstract).
 - Formal Drawing(s) (18 sheets).
 - Unsigned Combined Declaration and Power of Attorney (4 pgs).
 - Incorporation by Reference: *The entire disclosure of the prior application is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.*
- Prior application is assigned of record to University of Iowa Research Foundation.
- Applicant claims small entity status under 37 C.F.R 1.27.
- Communication Regarding Sequence Listing (1 pg.).
- Sequence Listing in paper form (24 pgs.).
- Sequence Listing on disk.

The filing fee (NOT ENCLOSED) will be calculated as follows:

	No. Filed	No. Extra	Rate	Fee
TOTAL CLAIMS	36 - 20 =	16	x 9 =	\$144.00
INDEPENDENT CLAIMS	14 - 3 =	11	x 42 =	\$462.00
[X] MULTIPLE DEPENDENT CLAIMS PRESENTED				\$140.00
BASIC FEE				\$370.00
	TOTAL			\$1,116.00

THE FILING FEE WILL BE PAID UPON RECEIPT OF THE NOTICE TO FILE MISSING PARTS.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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Customer Number **21186**

By: Janet E. Emretson
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"Express Mail" mailing label number: EL 873 858 511 US
Date of Deposit: December 7, 2001

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S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David A. Schwartz et al. Examiner: Unknown
Serial No.: Unknown Group Art Unit: Unknown
Filed: Herewith Docket: 875.010US2
Title: VARIANT TLR4 NUCLEIC ACID AND USES THEREOF

COMMUNICATION UNDER 37 C.F.R. § 1.821

BOX PATENT APPLICATION
Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

Sir:

A SEQUENCE LISTING, to conform the above-referenced application to the requirements of 37 C.F.R. §§ 1.821 through 1.825, is submitted herewith.

In accordance with 37 C.F.R. § 1.821(e), a copy of the above-submitted SEQUENCE LISTING in ASCII computer readable form is also submitted herewith. The contents of the paper version of the SEQUENCE LISTING and the computer readable form being submitted herewith are the same.

Respectfully submitted,

DAVID A. SCHWARTZ ET AL.

By their Representatives,

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